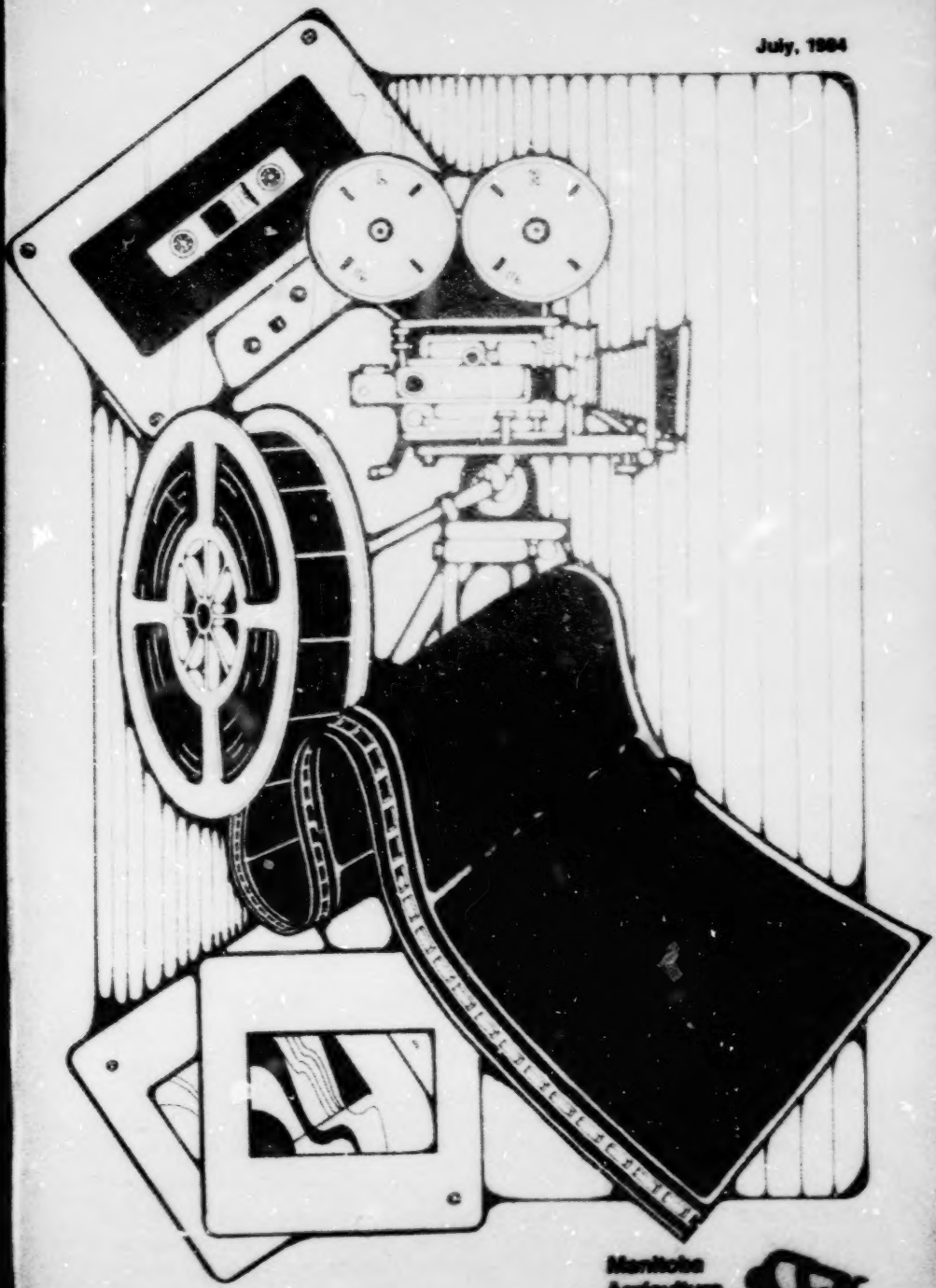
July, 1984



Manitoba
Agriculture

/ 84- 4638

CATALOGUE OF AUDIO VISUAL AIDS

Send all requests to:

The Distribution Centre
Manitoba Agriculture
411 York Avenue
Winnipeg, Manitoba
R3C 3M1

How to Order

- The loan of films is usually restricted to Manitoba except for agriculture departments and faculties of Agriculture in other provinces. There is no rental charge.
- When ordering, the following information is requested:
  - — exact date of showing or alternate dates
  - — title of material
  - — alternate titles if substitution is necessary
- All requests must be made at least 14 days before the shipment date.
- Please handle the material with care for you are responsible for damage or loss while it is in your possession.

How to Return

- Please return materials immediately after use to ensure all bookings are met.
- All shipments are forwarded prepaid by bus or held for pick-up; you are required to return them prepaid to Winnipeg.
- Please check the appropriate box on the label attached to the front of the film or slide/set container. This lets us know if the material is in need of repair.

How to Use Effectively

Selection

Carefully read over the catalogue descriptions before making your choice. Keep in mind your audience, the purpose of the meeting and the length of time available.

Preparation

Be sure to preview the material so you are familiar with the content and that it is suitable.

Presentation

Always set up your equipment and do a test-run of the material before your meeting begins. This is your opportunity to double-check the equipment to see if it is operating properly, the picture is in focus, and sound level is adjusted.

Participation

Audio visual aids are just that — aids to assist you in getting your message across. Audio-visual material is doubly effective if used along with an introduction and follow-up by you to emphasize or explain more fully your information.

How to Care For Film

- Film is easily injured by extreme heat and cold. If film is cold when received, allow it to warm up to room temperature before showing.
- Never place film near a heating outlet or in the sun. Do not carry film in the trunk of a car.
- A projector should be cleaned before every screening. Dirt and dust on the film guide and pressure plate may scratch the film.
- Scratching will occur if you tighten a loosely-wound film by pulling.
- Heat from the lamp of a stopped machine will damage film.
- Perforations will tear unless there is always a full loop at the top and bottom of the gate.
- If the picture flickers or unusual noises develop, stop the projector at once. Check the machine and film threading before continuing. If the trouble persists, the projector is likely defective. Do not continue.
- If a film breaks while running, switch off the projection lamp and machine. Do not attempt any repairs. Re-thread the machine leaving enough film to wind around the take-up reel.
- Please note any damage on the appropriate label of the shipping case.

INDEX OF FILMS

ANIMAL INDUSTRY

Page

Beef

Auction Markets: Factors Affecting Prices 12
Beef — Winter Feeding 12
Charolais For Profitable Cross Breeding 12
Good Doin' Calf 12
How To Bid In Metric 12
It Makes A Difference 12
Metric Measure — Help Or Headache 13
More Meat, Better Meat With Synovex 13
Nothing Beats a Brand 13
Range Patrol 13
Record Of Performance — Beef 13
South Dakota Feedlot 13
The Charolais Report 13
The Management Of Calving 14
The New Breeds 14
The Sun Changer 14
Warble Control 14

Dairy

Calf Killer 14
Dairy Cattle Feeding 14
Dairy Cattle Housing And Herd Health 14
Mastitis — It Can Be Controlled 15
More Money — Less Work 15
Science Of Milk Production 15
Score 9 for Milk 15
The Extra Hand 15
The Magic Of Milk 15
Veterinarian And Functional Type 15

Swine, Sheep, General Livestock

Crossbreeding For Profit — Sheep 15
It Pays To Take It Easy 16
Lambing And Care Of Lambs 16
Manitoba Swine Improvement Program 16
Meat Matters 16
Profits That Could Have Been 16
Surprise Me 16
The Meat Of The Matter 16
The Progenitors 16

SOILS, CROPS, AND HORTICULTURE

Soils

Conservation Farmer 17
Dryland Salinity 17
Help Yourself To A Soil Test 17
Living Land 17
Making The Most Of A Miracle 17
Neighbours Of The Land 17
Oh Gully . . . Where is our Soil 17
Soil Incorporated Herbicides 17
Soil Salinity — The Indicators 18
The Health Of The Land 18
The Top Few Inches 18
Water Movement in the Soil 18
We Are Of The Soil 18
Zero Tillage 18

Crops

Hay Today 18
Northern Horticulture 19
Potato Bruise Prevention 19
Raise More For Less 19
Rapeseed 80 Show #1 — Seed And Varieties 19

Rapeseed 80 Show #2 — Soil Fertility 19
Rapeseed 80 Show #3 — Seeding Technology 19
Rapeseed 80 Show #3B — Weed Control 20
Rapeseed 80 Show #4 — Insects And Disease 20
Rapeseed 80 Show #5 — Harvesting & Storage 20
Rapeseed — The Cinderella Crop 20
Salad Bowl 20
Success With Field Peas 20
Take Time To Tarp 20
The Soybean Story 20
Why Not Barley? 20
Wild Oat Control 20

Horticulture

A Living Carpet 21
Seedling To Shelterbelt 21
Stop D.E.D. 21
Tree Pruning Film 21
What Price Beauty? 21

FARM EQUIPMENT AND SYSTEMS

Clean Cut 22
Clean Your Machine 22
Evaluation of Farm Machinery on the Prairies 22
Feed Mixing Systems 22
Forage Feeds 22
Forage Mechanization 22
Soil Incorporated Herbicides 22
The Farm Machinery Board 23
Trouble With Sprayers 23

ENTOMOLOGY

Bees By The Pound 24
Beekeeping Part I: Preparation & Hiving 24

Honey 24
Honey — A Golden Harvest 24
Marvels Of The Hive 24
Rearing Queen Honey Bees 24
Secret In The Hive 24
Setting Alfalfa Seed In Canada 24

GENERAL AGRICULTURE

A Farm Life 25
Agriculture Canada 25
Farm To Supermarket 25
Following The Plough 25
Food Chain 25
Harvesting 25
Heavy Horses 26
I Couldn't Do It Alone 26
Maple Sugar 26
Plane Farming 26
The Eight Mile Haul 26
The Time Of Your Life 26
The Wheat Kings 26
Three Farmers 27
Thresherman's Reunion 27
Wheat 27
Why Be A Farmer? 27

SAFETY

Combine Safety 28
Don't Be Shocked 28
Electrical Safety Around The Farm 28
Farm Implement Safety 28
Farm Tractor Safety 28
Farm Tractor Safety — A Family Affair 28
Forage Harvest Safety 29

For The Rest Of Your Life 29
Play Safe 29
Snow How 29
That They Might Live 29
The Hydrogen Sulphide Hazard 29
The Sixth Sense 30
Why Did Tommy Die? 30
You Bet Your Life? 30

COMMUNITY DEVELOPMENT AND PEOPLE

Almost A City 31
Eye Of The Supervisor 31
Gimli 31
Lake And Land 31
St. Laurent 31
St. Laurent Speaks 31
The Behaviour Game 31
The Builders 31
The Fisher Story 32
The Partner 32
The Supervisor — Motivating Through Insight 32
The West Side 32
Together To Live 32
We Did It Ourselves 32

MISCELLANEOUS

Boomsville 33
Butchering Beef 33
Crown Land Development 33
Cry Of The Marsh 33
Disciplined Water 33
Go Where The Action Is 33
Inventions For Agriculture 33
Manitoba — Festival Country 34

Manitoba — Festival Country (Condensed Version) 34
Manitoba's Trout Farmers 34
Moving To Metric 34
Our Farm Business 34
Our Rivers — Masters Or Servants 34
Red River Floodway 34
Rise And Fall Of The Great Lakes 34
Stories In The Snow 35
This Is Manitoba 35
Too Good To Be True 35
Unlimited Horizons 35
Where There's Water 35

INDEX OF SLIDE SETS
ANIMAL INDUSTRY

Beef

A Change For The Better 36
Beef Cattle Handling Facilities 36
Beef Evaluation — A Cross Section View 36
Cattle Breeds In Canada 36
How To Implant Properly With Ralgro 36
Identifying The Cutability Of Live Beef Cattle 36
Judging Finished Beef 37
Needling Tips For Cattle 37
Pinkeye Treatment For Cattle 37
War On Warbles 37

Swine

Chip — Commercial Hog Improvement Program 37
Diseases Of The Sow 37
Feeding And Managing Pregnant Gilts And Sows 37
Growing And Finishing Hogs 38
Herd Health 38

Moving Hogs From The Farm 38
On Farm Swine Artificial Insemination 38
Overview Of Manitoba Swine Industry 38
Record Keeping For Swine 38
ROP Swine Testing Program 39
The Management Of Farrowing 39

Dairy

Good Milking Management 39

General

Vet Clinics 39
Feed Testing 39

SOILS AND CROPS

Soils

Soil Testing 40
Micronutrients in Manitoba 40
Zero Tillage in Western Manitoba 40

Crops

Pasture

Establishing Pasture 40
Grassland Farming 40
Pasture Management 41

Grains

Growing Corn 41
Rapeseed Cultural Practices 41
Rapeseed Diseases 41
Rapeseed Harvesting 41
Rapeseed Insects 41

Weed Control

Competition Of Weeds 41
Identifying Growth Stages Of Broadleaf Plants 42
Identifying Growth Stages Of Grass Plants 42
Identifying Plant Growth Stages 42
Milkweed Control 42
Perennial Sow Thistle And Canada Thistle Control 42
Poisonous Weeds 42
Role Of The Weed Supervision 42
The European Buckthorn Menace 42
Weed Control — More Than Just Herbicides 43
Weed Identification 43
Weeds And Their Growth 43
Wild Oats — Characteristics 43
Wild Oats — Cultural Control 43
Zero Tillage Weed Control 43

Chemicals

Avadex BW — Rapeseed '80 43
Carbyne — Rapeseed '80 43
Hoe Grass — Rapeseed '80 44
TOK/RM — Rapeseed '80 44
Treflan — Rapeseed '80 44

Misc.

Dutch Elm Disease 44
Potato Handlers 44

GRAIN INDUSTRY PRODUCTIONS

The Canadian Wheat Board Pooling Procedures 45
Co-ordinating Canada's Grain Transportation System 45
Costs Of Moving Grain From The Prairies To Overseas Markets 45
Effects Of Degrading Factors Upon Grain Utilization 45
Fundamentals Of Canada's Grain Grading System 45
Open Market Selling Options 45
Pricing Western Canadian Grain 46

Rights And Responsibilities Of Producers 46
Terminal Elevator Operations 46
The Canadian Grain Commission 46

TECHNICAL SERVICES

Fertilizer Application Equipment 47
Hay Cutting And Baling Systems 47
Loose Hay Systems 47
Metric Weed Control Workshop 47
Plant Tissue Analysis 47
Rural Water Services 47
Silage Systems 48
The Amazing Metric 48
The Same Difference 48

FARM SAFETY

Chemical Safety 49
Farm Machinery Safety 49
Farm Safety 49
Safe Tractor Care & Operation 49
Safe Use Of Pesticides — C.A.C.A. 49

GENERAL

Agriculture Future — Your Challenge 50
Agriculture -- Manitoba's First Industry 50
Co-op Farming 50
Land: The Threatened Resource 50
Making Manitoba Cheddar 50
Ten Most Wanted Vegetables 50
The Beef Trail — Part I Beef Production 51
Part II Inspecting & Grading 51
Part III Cuts Of Beef 51
Part IV Cooking Beef 51
The Royal — Showplace Of Champions 51
What's an Agricultural Engineer 51

FILMS
ANIMAL INDUSTRY

Beef

Auction Markets: Factors Affecting Prices *M.D.A. 7-1/2 Min. Col.* *1976*

Filmed at the Brandon Auction Market, market manager Lorne Leggat and Auctioneer Cliff Penno talk about the factors affecting selling price and the advantages of selling uniform lots of animals.

Beef — Winter Feeding *M.D.A. 14 Min. Col.* *1976*

Produced for the T.V. series "FarmScene" the two short items focus on winter feeding for cows and stocker calves. Art Domes, Portage agricultural representative, discusses the nutrients and the amount of feed needed to winter cows. In the second item, Dr. Andrew Boston, beef program specialist, and Grunthal farmer Jake Weibe examine Weibe's program for stocker calves and alternatives for his system.

Charolais For Profitable Cross Breeding *15 Min. Col.* *1969*

Filmed in the U.S.A. by the American International Charolais Association, this film shows the advantages of using Charolais bulls for commercial beef production. Although centered around the Charolais breed, it could apply to other exotic breeds.

Good Doin' Calf *15 Min. Col.* *1976*

Good management starts the day a calf is born. Ranchers from all over United States talk about how they found out through trials in their own herds the benefits of using implants right from birth. This is also a Ralgro promotional film.

How To Bid In Metric *M.C.C. 14 Min. Col.* *1982*

This film looks at the small differences between bidding in Imperial measure and in kilograms. It details how, because the kilogram is a larger unit of measure, the initial price asked by an auctioneer will be larger and explains how to keep track of average and cumulative values of lots as the bidding increases. It shows some examples of individual animals and provides the opportunity to estimate weight in kilograms. This is a good basic film for any rancher or farmer purchasing cattle on a regular basis.

It Makes A Difference *12-1/2 Min. Col.* *1976*

No matter what size your beef feeder operation is, there's no doubt according to everyone from ranchers to veterinarians in this film that implants make sense. This is definitely a promotional film put out by Ralgro but there's no disputing the message that implants are an important management tool in a profitable beef operation and are easy to use with little chance of side effects.

Metric Measure — Help Or Headache *M.C.C. 13 Min. Col.*

This film deals with the problems of conversion, exposing, many of the commonly heard arguments against metric conversion. It further questions the validity of these arguments and demonstrates the actual ease of coming to grips with the metric system through interviews with farmers, ranchers and producers. The film details the weight in metric of common amounts of feed, sizes of animals at birth, weaning and maturity; and deals with the problem of how to 'think metric'. Aimed mainly at the beef, dairy and swine industry.

More Meat, Better Meat With Synovex *18 Min. Col.*

A general interest film which looks at the varieties of beef breeds in Central, South and North America, comparing the various management techniques used in different countries. Although basic in its approach to feeding and handling techniques, it is an entertaining, promotional-type film showing the livestock industry in other countries.

Nothing Beats a Brand *Sask. Ag. 7 Min. Col.* *1982*

This short film from Saskatchewan Agriculture demonstrates the proper method for applying hot and freeze brands to cattle in the field.

Range Patrol *20 Min. Col.* *1981*

This film was produced by Manitoba Agriculture in co-operation with the R.C.M.P. It takes a look at the problem of cattle rustling and what groups of ranchers can do to prevent this problem in their area. To illustrate the problem, the first half of the film is a dramatization of a pair of cattle rustlers in action followed by the Range Patrol and the R.C.M.P. as they stop the criminals in their tracks. The second portion of the film is a round the kitchen table discussion by a Range Patrol from the Interlake in Central Manitoba. They cover many points indicating how being involved in the patrol has not only saved their cattle but bettered their lives through keeping a constant eye on their own properties as well as their neighbors'.

Record Of Performance — Beef *S.D.A. 14 Min. Col.* *1973*

Produced in Saskatchewan, the film discusses the place of R.O.P. in the beef business. Topics covered include home herd test, station test, progeny test, and other factors in achieving maximum returns to the producer. The long range goals of R.O.P. are defined.

South Dakota Feedlot *12 Min. BW* *1967*

The operation of a smaller feedlot is examined. This particular one is mechanized to include indoor feeding and proper mixing of feed. Information is restricted to the smaller type operation.

The Charolais Report

A history of the development of the Charolais breed.

The Management Of Calving *28 Min. Col.* *1973*

The calving cycle, including the importance of herd health, nutrition, mechanics of birth, manipulative procedures to correct fetus position and other management practises is covered in detail. It is recommended that a veterinarian be in attendance with each showing to answer questions. The intent of the film is not to teach calving practises to producers, but to avoid losses due to improper handling of animals at the time.

The New Breeds *13-1/2 Min. Col.* *1973*

A report on the crossbreeding testing programs of Charolais, Simmental, and Limousin breeds carried out at several Agriculture Canada research stations.

The Sun Changer *10 Min. Col.* *1977*

This is a look at that marvellous protein machine — the beef cow. Produced by the Elanco chemical company, this beautiful film was made in response to recent criticisms that grains going to feed cow herds could be used efficiently if this protein were consumed directly by humans. But as this film points out, there's only a little more than five per cent of the world's land suitable for grain production while beef cattle can easily adapt to use amounts of land unsuitable for crop production. Ideal for 4-H beef clubs.

Warble Control *M.D.A. 6 Min. Col.* *1976*

Manitoba livestock specialist Norm Helmstad discusses warble control methods. Originally produced for CKX Agri-Views.

Dairy

Calf Killer *25 Min. Col.* *1977*

A production of Universities of Saskatchewan and Guelph and Ayerst Laboratories. It provides a detailed look at calf scours. It deals with the importance of baby calf environment and the significance of colostrum in establishing adequate antibody populations in the calf. The film explains the need to prevent conditions conducive to scouring and deals with proper management of the cow herd before and after calving in an effort to combat the problem. Finally it describes symptoms and treatment in some detail. This film would be of interest to both beef and dairy operators.

Dairy Cattle Feeding *21 Min. BW* *1969*

Part of CBC's "This Business of Farming" series, this item explains the feed requirements for dairy cattle and how to get top milk production at the minimum cost.

Dairy Cattle Housing and Herd Health *15 Min. BW* *1969*

Deals with what to look for in dairy cattle housing and the importance of health in the dairy herd. Taken from CBC's series, "This Business of Farming".

Mastitis — It Can Be Controlled *M.D.A. 20 Min. Col.* *1978*

Every year Manitoba dairy producers suffer fairly dramatic profit losses because of mastitis infection in their herds. Milk producer Harry Elliot of Stonewall, a veterinarian and dairy services staff, illustrate how a producer can control mastitis through good sanitation, correct milking procedures and properly operating equipment.

More Money — Less Work *M.D.A. 20 Min. Col.* *1973*

The story of a dairy enterprise and its development on the Deschambault Farm at St. Lazare, Manitoba. A good practical approach to dairying.

Science Of Milk Production *30 Min. Col.*

Dr. Peterson, University of Minnesota, explains how a cow produces milk, how "milk letdown" is achieved, and the many factors involved in milking techniques.

Score 9 for Milk *23½ Min. Col.* *1983*

Produced in cooperation with the Holstein Association of Canada, this film highlights the traits that make a high producing cow. It includes a step by step demonstration of the Canadian Linear Classification Program. Of interest to viewers interested in dairy type as it relates to production.

The Extra Hand *20 Min. Col*

A De Laval film on the development and the advantages of their latest type of milking machine.

The Magic Of Milk *20 Min. Col.*

The Manitoba dairy industry is the focus on this film. It illustrates how the various interests working within the industry organize and direct their efforts to provide the consumer with dairy products originating on Manitoba farms.

Veterinarian and Functional Type *22-1/2 Min. Col.* *1977*

This film was produced by Penn. State University. It features a staff veterinarian discussing characteristics desirable in the modern, high producing dairy cow. Includes physical structure of the rump area as related problems; structure of the udder and related problems. The film looks at several cows and discusses the desirable and undesirable traits of each and stresses that functional traits are inheritable, so breeding and selection will give you a herd "high" in these important characteristics.

Swine, Sheep, General Livestock

Crossbreeding For Profit — Sheep *13 Min. BW*

Crossbreeding of sheep means profit. The conclusive results show up at market time when the crossbreeds bring higher prices, higher meat yields, and increased consumer preference over the purebreds.

It Pays To Take It Easy *15 Min. Col.*

Deals with the safeguards that can eliminate the damage from bruising of livestock.

Lambing And Care Of Lambs *9 Min. Col.* *1975*

Good management at lambing time is the focus including normal and breach-birth deliveries. Other points covered include feeders, pens and general facilities. Demonstrations of weighing, navel-dipping and tail docking make this film useful and interesting for the sheep producer.

Manitoba Swine Improvement Program *M.D.A. 12-1/2 Min. Col.* *1977*

Produced for FarmScene TV, this film deals with ROP and CHIP and how these recording programs can be used by producers in the improvement of their swine herds. It also touches on artificial insemination in swine. The film features Swan River area farmers Don and Larry Burton and Lionel Henderson who explain how they used these programs in their operations.

Meat Matters *Ag. Can. 17½ Min. Col.* *1983*

This film, produced by Agriculture Canada, highlights Canada's 75 year old meat inspection service which puts the stamp of quality on the meat products produced by our 120,000 livestock producers and 500 meat plants across the country.

Profits That Could Have Been *Upjohn 30 Min. Col.*

Looks at management of farrowing, the dangers in leaving due sows unattended, and the use of hormone treatment for heat cycling and synchronizing of farrowing. Some emphasis on the producer's line of drugs but good information as well.

Surprise Me *8 Min. Col.* *1975*

A somewhat light-hearted look at the use of pork dishes in the diet. The many forms of pork are featured in table-ready display. The film promotes in a very effective way, the delectable products of the nation's pork industry.

The Meat Of The Matter *M.D.A. 21 Min. Col.* *1969*

The Pauls of Arnaud wanted to increase the size of their swine operation. The film follows John Paul and his son Werner as they visit a neighbour, extension staff, the banker, farm meetings and make the decision to expand their hog production.

The Progenitors *6 Min. Col.* *1971*

A brief dairy oriented view of the artificial insemination industry in Canada. Collection, testing, storage, inseminating and exporting are included. Stress is placed on using good quality breeding stock to improve the industry.

SOILS, CROPS, AND HORTICULTURE

Soils

Conservation Farmer — *M.D.A. 16 Min. Col.*

The eight land use categories used to classify soils are outlined along with recommended practices for proper land use on the different land classes.

Dryland Salinity — *27 Min. Col.* — *1978*

This extremely detailed film explains the seriousness of soil salinity across the prairies, how cultural practices and irrigation methods contribute to salinity, how to determine salinity and covers the reclamation programs of several prairie farmers. Also includes reference to current research into this problem.

Help Yourself To A Soil Test — *M.D.A. 12 Min. BW* — *1965*

The advantages and the proper method of taking a soil test are discussed.

Living Land — *21 Min. Col.* — *1970*

The University of Saskatchewan produced this film on the elements that make up prairie soil, how soils are formed, soil management practises, soil testing and problems like alkaline soils.

Making The Most Of A Miracle — *27 Min. Col.* — *1960's*

Using time lapse photography and animation, this American film tells the story of plant nutrition and Liebig's Law of the Minimum: "This yield of crop may be limited by the deficiency of any one essential element, even though the others may be present in adequate amounts."

Neighbours Of The Land — *20 Min. Col.*

An American film depicting soil conservation groups at the community level.

Oh Gully . . . Where is Our Soil — *20 Min. Col.*

This film from Alberta Agriculture shows the causes and effects of sheet, rill and gully erosion, and the tillage and soil management practices that can be used to combat these destructive forces.

Soil Incorporated Herbicides — *10 Min. Col.*

The 1976 demonstration by the Wallace weed control district and the weed section illustrates the efficiency of various herbicide incorporation equipment. Equipment includes a heavy and light duty cultivator, one-way disc, tandem disc and harrows.

Soil Salinity — The Indicators *16-1/2 Min. Col.* *1978*

A film produced by Alberta Agriculture. It takes a serious look at the problem of salinity in the soil. Covered in the film are causes, and solutions to the problems, as well as factors to watch for that indicate high salt levels will become a problem in the future. Solutions shown include surface drainage and underground grid systems to drain the water away. Several tiling methods are shown. Although an Alberta production the film has application across the prairies.

The Health Of The Land *27 Min. Col.* *1981*

A Ducks Unlimited production that looks at land management across the Canadian prairies. The advantages of zero tillage are highlighted, for the benefit of the land and the agriculture industry, and for the benefit of wildlife. A number of Manitoba farmers appear with their comments in this film.

The Top Few Inches *NFB 19 Min. Col./B & W* *1982*

The productions follows the settlement of the Canadian Prairies, tracing the use of agricultural land with a blend of black and white archival and modern color footage.

Water Movement in the Soil *25½ Min. Col.* *1959*

This film, produced by Washington State University, looks at how water moves through a variety of soil types and the effects of sand, clay and trash on water movement, by using time lapse photography.

We Are Of The Soil *23 Min. Col.* *1977*

Carved out of the wilderness, the prairies blossomed into fertile plains, but the drought and winds of the Thirties brought the sharp realization that soil conservation is a must. This film, made in 1977, discusses how the state of Iowa is meeting the challenge of preserving that top vital layer of soil including the benefits of minimum or zero tillage.

Zero Tillage *M.D.A. 20 Min. Col.* *1977*

Highlights experiences of three western Manitoba farmers with zero tillage crop production. They talk about their results and express opinions as to the pros and cons of zero tillage. Jim McCutcheon of Homewood can refer to his pioneering efforts over a number of years and weed specialist Dave Donaghy discusses the management aspects of zero tillage including trash management, weed control, fertility and the use of proper seeding equipment. The film shows the adaptation of a press drill for zero tillage seeding.

Crops

Hay Today *Sperry-New Holland 30 Min. Col.* *1979*

This is a detailed look at the profits of producing quality hay and the importance of considering hay as a premier crop. Several farms are visited and their successful haying operations discussed.

Northern Horticulture *M.D.A. 16 Min. Col.* *1977*

There's a revolution taking place in gardening in the northern areas of the provinces. By using special tunnel greenhouses, residents are rediscovering the jobs of hobby gardening and the profits of vegetable production. At Thicket Portage a group of citizens have even started a commercial gardening operation. The department of agriculture's northern horticulturist and many enthusiastic gardeners tell of their experiences.

Potato Bruise Prevention *8-1/2 Min. Col.* *1977*

Careful attention to temperature and moisture by a potato producer in every phase of production can cut losses due to bruising. A University of Idaho research horticulturist explains and illustrates the technical do's and don'ts to reduce that potential 15% loss that can occur because of improper harvesting, storage and handling.

Raise More For Less *23 Min. Col.* *1971*

A C.S.G.A. production on the history of crop seed production in Canada, procedure of seed certification, importance of crop genetics and the safeguards involved in the purity and quality of certified seed.

Rapeseed 80 Show #1: Seed And Varieties *26 Min. Col.* *1980*

This is the first in a five part series of films on Rapeseed produced by Manitoba Agriculture. It starts with an introduction to the crop itself, and then a look at the importance of certified seed, government testing of seed, types of seed varieties and the research program at the University of Manitoba.

Rapeseed 80 Show #2: Soil Fertility *28 Min. Col.* *1980*

In the second show a look at seed bed preparation, proper fall soil testing and an interpretation of the test results you get. Soil test results bring about savings made through the proper use of fertilizer. The last portion of the show covers nutrients that will bring the highest returns. Proper application methods are also covered.

Rapeseed 80 Show #3A: Seeding Technology *18-1/2 Min. Col.* *1980*

The first half of the third show covers planting decisions, from summerfallow to continuous cropping, what to look for in a good seed bed, and the preparation of the soil. Also covered are results from different seeding rates and results of different seeding methods. Finally effect of the date of seeding and temperature on emergence of the crops.

Rapeseed 80 Show #3B: Weed Control *16 Min. Col.* *1980*

In this second half of the third show, the control of weeds such as wild oats, thistles, lambs quarters and others are discussed. Control methods covered include chemicals, cropping sequences and use of clean seed.

Rapeseed 80 Show #4: Insects And Disease *30 Min. Col.* *1980*

The fourth show covers the proper identification and control of insects and diseases, and the damage they can do. Some of these problem areas are army worms, red turnip beetle, diamond-backed moth, fungus, white spot and others.

Rapeseed 80 Show #5: Harvesting & Storage *29-1/2 Min. Col.* *1980*

The fifth and final show covers all facets of getting the crop harvested. It begins with a discussion of the right time to harvest, and proper cutting height.

Rapeseed — The Cinderella Crop *S.D.A. 14 Min. Col.* *1971*

Rapeseed is Canada's most valuable oilseed crop. Product uses, marketing, and processing are illustrated along with the production aspects of insect and weed control.

Salad Bowl *M.D.A. 22 Min. Col.* *1965*

Manitoba's vegetable industry is examined from products grown, processing, marketing and promotion. Also includes an over-all view of developments in the industry.

Success With Field Peas *16 Min. Col.* *1980*

A Saskatchewan Agriculture production covering all facets of field pea production. It starts with the fall preparation of the land, data on inoculants and fungicides, as well as proper seeding methods. The film also covers the varieties of seed, nutrients, rate of seeding and proper methods of swathing and harvesting. It concludes with points on proper cleaning methods for the highest dollar return.

Take Time To Tarp *M.D.A. 10 Min. Col.* *1965*

Grain losses and the spread of weed seeds are two of the negative results when trucks travel without a tarp in place.

The Soybean Story *15 Min. Col.*

The story of the development, utilization and potential of soybeans in the United States.

Why Not Barley? *23 Min. Col.* *1957*

The Brewing and Malting Institute of Canada uses this film to outline the barley breeding procedures carried out by Agriculture Canada, as well as official grading and quality testing carried out at the Institute. Suitable to 4-H groups and farm audiences.

Wild Oat Control *A.D.A. 18 Min. Col.* *1977*

Filmed in Alberta, but suitable to all farmers with wild oat problems, this film reviews the characteristics of wild oats and the appropriate control measures. The importance of understanding the biological and physical features is related to adopting effective control measures.

Horticulture

A Living Carpet — *S.D.A. 14 Min. Col.* — *1973*

Stan Sheard, Saskatchewan Department of Agriculture, Regina, gives the particulars of lawn construction and maintenance. He covers soil preparation, seeding, mowing, fertilizing and control of weeds, diseases, and irrigation.

Seedling To Shelterbelt — *S.D.A. 15 Min. Col.* — *1972*

Tree seedlings grown at the Indian Head Tree Nursery and distributed by agricultural representatives make up an important part of farm shelterbelts. On-farm planting, weed control and general care of shelterbelts is also explained.

Stop D.E.D. — *M.D.A. 20 Min. Col.* — *1979*

This is a Manitoba Agriculture production on the problem of Dutch Elm Disease in Manitoba. Through the use of live action and animation this film stresses alertness to early symptoms and accidental ways of spreading the disease. It is the story of Manitoba's battle to save the elm.

Tree Pruning Film — *M.D.A. 13 Min. BW* — *1970*

This film deals with proper pruning principles and the techniques which apply to ornamental trees. How to make proper cuts, how to treat pruning wounds and some common pruning mistakes are demonstrated.

What Price Beauty? — *Ag. Can. 15 Min. Col.* — *1973*

A breeding and selection program developed by Agriculture Canada scientists is aimed at developing hardier strains of flowers and shrubs for both agricultural and northern areas. The photography, some time lapse, shows flowering shrubs, perennials and annuals at the Central Experimental Farm in Ottawa.

FARM EQUIPMENT AND SYSTEMS

Clean Cut *20 Min. BW*

An older film that offers basic information on the repair, maintenance and adjustment of a John Deere mower. The basic principles can be applied to other cutter bar machinery.

Clean Your Machine *M.D.A. 8 Min. Col.* *1969*

The advantages of keeping harvesting equipment clean is described, along with the role of a weed supervisor in inspecting used machinery and custom harvesters before they cross the border into Canada.

Evaluation of Farm Machinery on the Prairies *11 Min. Col.* *1983*

This production looks at the work done by the three stations of the Prairie Agricultural Machinery Institute in support of prairie agriculture. Suitable for use at meetings to create an interest in PAMI.

Feed Mixing Systems *M.D.A. 10 Min. Col.* *1976*

Two short items produced for the T.V. series FarmScene. One item features M.D.A. Engineer Alan Roberts, describing an easy, automated feed processing system and how such a system can fit into a farm feedlot. In the other, three farm feed mixes are compared.

Forage Feeds *S.D.A. 14 Min. Col.* *1970*

Latest techniques and equipment used to produce forage hay and silage are highlighted. There are demonstrations of equipment in operation and an examination of proper storage methods for hay and silage. Also discussed are factors to consider when harvesting and storing forages for winter feed.

Forage Mechanization *30 Min. Col.* *1974*

Square bale systems, loose hay systems and the giant round balers are some of the different methods of harvesting depicted, providing a general look at the operation of most of the haying systems available in 1974. The report "Hay and Forage Harvesting Methods" should be available with each showing to provide additional information and cost comparisons for these systems.

Soil Incorporated Herbicides *M.D.A. 10 Min. Col.* *1976*

A demonstration conducted by the Wallace Weed Control District and M.D.A.'s Weed Section to illustrate the efficiency of various herbicide incorporation equipment. Weed Specialist Henry Nelson comments on penetration after the first pass and after a second pass at right angles to the first. Equipment includes a heavy and light duty cultivator, one way disc, tandem disc and harrows.

The Farm Machinery Board *M.D.A. 13-1/2 Min. Col. 1978*

The critical timing of most farm operations and the huge amounts of money invested in machinery nowadays makes equipment reliability and service the number one consideration of the farmer. The Manitoba Farm Machinery Board makes sure back-up service is available when needed most. This film originally made for Manitoba Agriculture's weekly TV program FarmScene outlines the Board's emergency repair parts service, the importance of getting repairs done early and how the Board can settle disputes between farmers and suppliers. The film features farmers, a machinery dealer in the Dauphin-Roblin area, and a farmer representative on the Board.

Trouble With Sprayers *M.D.A. 22 Min. BW 1974*

Agricultural engineer Orly Friesen takes a detailed look at current field sprayers indicating the critical features that farmers should consider when purchasing and operating sprayers. Information is given on updating and improving present sprayers.

ENTOMOLOGY

Beekeeping Part I: Preparation & Hiving — *25 Min.* — *1981*

A University of Manitoba film production starting with a general introduction to the beekeeping industry in Canada. This is followed by a detailed presentation on the selection and preparation of the site for beeyards and on the hiving procedure of placing the bees in the new hives. Suitable for instructional purposes for the commercial beekeeper or the hobbyist.

Bees By The Pound — *12 Min. Col.* — *1974*

Produced by the University of California, the film follows the production and shipping of package bees and queens for markets in the northern United States and Canada.

Honey — *8 Min. Col.* — *1964*

The production of honey starts when the nectar of the flower, a concentrated liquid, is stored by the honeybees. Extraction, packaging and the various uses of honey are illustrated.

Honey — A Golden Harvest — *8 Min. Col.*

A short film describing the steps involved in processing honey starting from the hive and ending at the retail shelf and showing the care taken of this delicate product.

Marvels Of The Hive — *20 Min. Col.*

The complete life cycle of the honeybee is shown including how honey is processed by the beekeeper or consumer use.

Rearing Queen Honey Bees — *U of M 15 Min. Col.* — *1978*

A fascinating presentation on the method used at the University of Manitoba in raising queen bees. The film is designed to be of interest and help to commercial beekeepers but of equal interest to students and general audiences.

Secret In The Hive — *33 Min. Col.* — *1969*

This film analyzes the mystery of the honey bee colony surrounding the queen bee. It shows that each honeybee is something like the cell constituting one living body.

Setting Alfalfa Seed In Canada — *22 Min. Col.* — *1966*

Presents the principles and mechanism of alfalfa pollination. There is a special mention of how honeybees and solitary native bees act as pollinators. Suitable for 4-H audiences as well.

GENERAL AGRICULTURE

**These films are non-technical films depicting either the industry as a whole, the rural way of life, how food comes to the market place, unique farming methods, or the history of agriculture.*

A Farm Life — *11 Min. Col.* — *1975*

A look at the life of two Manitoba farmers and their families, one a vegetable farmer the other a grain and livestock producer. The farmers tell their story of the rewards and problems of operating a farm in the 1970's. Both farmers explain why they have chosen farming as a career.

Agriculture Canada — *N.F.B. 26 Min. Col.* — *1969*

A report on Canada's primary industry, showing farming as an increasingly mechanized and automated form of big business and an important facet of the total economy. The services of government, farm organizations, science, technology and marketing methods are all involved. For a general audience there is fresh insight and many a surprising sequence about food production from source to consumer.

Farm To Supermarket — *15 Min. Col.* — *1975*

Agriculture is a multi-billion dollar business on the prairies. Grain farming is followed from seeding to supermarket; livestock and vegetable production are followed in much the same way. Emphasis is on the value of the industry to Canada's economy.

Following The Plough — *N.F.B. 27 Min. Col.* — *1975*

A view of what takes place between the turning of the furrow and the great variety of foodstuffs on the supermarket shelf. The cross country elements of the industry are tied together by a troubadour working on farms and writing songs about his work and travels across Canada. The farmer is seen as a businessman, scientist and world citizen, occupied with the old gamble of raising crops despite uncertainties but aided by new resources of science and technology.

Food Chain — *M.D.A. 7 Min. Col.* — *1975*

Food production is a curious blend of people, machines and nature. Here is a fast moving and colorful portrait of Manitoba's biggest industry. Music and sound tell the story without narration.

Harvesting — *N.F.B. 10 Min. Col.* — *1970*

A visual story about the wheat harvest on the vast Canadian prairies where the reality is the horizon of wide fields of grain that must be harvested before frost lays waste to the crop. Visual images suggest a strange but magnificent military maneuver of giant machines moving across the golden acres.

Heavy Horses *14-1/2 Min. Col.* *1981*

This film produced by Manitoban Nathan Enns, about a noted Manitoba horseman Gordon Church of Killarney. This film offers a gentle look at Gordon and his horses, and the work that is involved in maintaining them. It shows the Church family as they gather around the dinner table, and discuss preparations for an upcoming fair. While the fair itself, with all the trappings of leather strappings and polished chrome indicates the beauty that the crowds can enjoy from these horses, it is the return to the farm at twilight that shows how the horses have gained a solid position in the eyes of this rural family . . . a sensitive well-filmed production suitable for any general audience.

I Couldn't Do It Alone *M.D.A. 18 Min. Col.* *1976*

A survey of the various approaches to co-op farming including feedlot, auction mart, grazing and machinery co-ops. The Manitoba farmers involved comment on the advantages of co-operation.

Maple Sugar *8 Min. BW*

A report on sugaring from the heart of the maple sugar country in Quebec's eastern townships. All stages of processing are shown from collecting sap to boiling, bottling and marketing.

Plane Farming *M.D.A. 15 Min. Col.* *1976*

Light aircraft in Manitoba agriculture are used mainly in spraying herbicides and insecticides. Shown also is seed and fertilizer spraying and the use of a helicopter on one Manitoba farm.

The Eight Mile Haul *26 Min. Col.* *1975*

Prairie communities were originally built on the basis of the "eight mile haul" — a day's work by horse and wagon to haul grain to the elevator. But with today's equipment, the eight mile communities have been by-passed for larger centres and many are in a state of decline. The Manitoba communities of Brandon and Gimli are represented with comments on the trends involved. The implementation of DREE programs in several rural areas are included.

The Time Of Your Life *30 Min. Col.* *1977*

A presentation designed to give the audience a clear understanding of the basic principles of good time management. It presents ideas on how to become a better decision maker about the use of time, and on how to develop some intuitive skills about time use. The presentation is built around office type examples, so ideally would be suited to staff training. However, the "effective time-use concepts" could be applied to any work situation.

The Wheat Kings *M.D.A. 7 Min. Col.* *1976*

A sentimental but fast moving look at early Manitoba. Originally produced for T.V., commemorating the 100 Year Anniversary of Manitoba's first grain shipment in

October, 1976, it's a celebration of the adventure and endurance that made wheat the king of the prairies.

Three Farmers *28 Min. Col.*

Three farmers from northern Alberta, southern Ontario and New Brunswick share a common outlook on life. Their farms and farming practises differ but their attachment to the land is the same. They do not want to follow the trend and move to the city as many farmers are doing in Canada today.

Threshermen's Reunion *M.D.A. 10 Min. Col.* *1976*

Every year they come to Austin from all over the Canadian prairies and mid-western United States to fire up the old steam engines. As one old-timer says, "It's the only place you can get enough of it". The result is a colorful pageant of sight and sound — sooty faces, machines and steam.

Wheat *N.F.B. 26 Min. Col.* *1972*

The seas of golden grain and the bold geometry carved on them by the invading fleet of combine harvesters is beautifully photographed in this film about harvest on the Canadian prairies. Canadian Northern is still the wheat of top quality. Shown are the men who grow it and those who keep it moving to world markets. (Produced for the Canadian Wheat Board and the Canadian Grain Commission.)

Why Be A Farmer *M.D.A. 23 Min. Col.* *1977*

The portrait of a young farmer/songwriter, depicting the tensions and difficulties of being a farmer in the changing seventies. Don Falk from the Niverville area describes why he returned to farming. Recommended for general viewing and particularly for urban audiences.

SAFETY

Combine Safety *14 Min. Col.* *1976*

The paramount safety factor on a combine is the operator. A careful operator is the best insurance against an accident. Not a "rules" film, it accentuates the positive aspects of combine safety and the major commonsense precautions the operator should observe.

Don't Be Shocked *12 Min. Col.* *1978*

Joanne and Teddy, young teenagers learn valuable lessons on how to treat electricity with respect in the home, workshop and yard. This film is aimed at giving electrical safety tips to eight to 13 year olds.

Electrical Safety Around The Farm *23 Min. Col.* *1977*

A comprehensive film dealing with the potential hazards of overhead primary power lines and underground grid systems on the farm. This film offers concrete safety advice on moving grain augers, winged-back cultivators and machinery equipped with CB antennas. Proper location of haystacks and manoeuvring of hay stackers is depicted along with handling lightweight irrigation pipe and ladders. This film deals with numerous emergency situations and demonstrates mouth-to-mouth resuscitation. Contact with the local utilities is strewsed when identifying hazards, moving buildings under primary lines, learning the height of primary lines and reporting accidents and downed lines.

Electricity — Handle With Care *25 Min. Col.* *1978*

The do's and don'ts of using electricity in and around the home and during recreation highlighted by interviews with a safety expert and a victim who survived contact with a "live wire".

Farm Implement Safety *15 Min. Col.* *1976*

Experts and accident victims tell stories of lives, limbs and financial security lost through farm equipment accidents. Cause of accidents and accident prevention is discussed. It's an important film for farm families to see.

Farm Tractor Safety *10-1/2 Min. Col.* *1976*

Devoted to the positive aspects of tractor safety. Shown are tractor overturn tests followed by operator precautions to avoid side and rear overturns. The importance of ROPS is emphasized with PTO safety, extra rider hazards, fuel handling safety and safe highway transport.

Farm Tractor Safety — A Family Affair *22 Min. Col.*

How the residents of one rural community got together and tackled the problem of reducing the on-farm death and accident toll. The major part of the film deals with safe tractor operation, stressing that the operator have complete knowledge of his tractor, be alert and avoid carelessness.

Forage Harvest Safety — *10-1/2 Min. Col.* — *1976*

The positive aspects of safety with forage harvesters, blowers, power-unloading wagons and mower conditioners are illustrated. Emphasized is the importance of a careful, well-informed operator. It covers field and farmyard scenes of safe procedures with PTO drive line, spout, rolls, cutter head, fan rotor and auger and chain conveyors. Includes safety on public roads.

For The Rest Of Your Life — *16 Min. Col.* — *1978*

A film produced for the Iowa Society for Prevention of Blindness. The film deals with anhydrous ammonia. It explains the characteristics that make it a hazard particularly to the eyes. It stresses the need for precautions and preventive measures in handling and using anhydrous. Proper handling of hoses and equipment and the use of protective gloves and goggles are the keys to safety. Basic first aid is also explained — in case an accident does occur. Should be viewed by every user of Anhydrous Ammonia.

Play Safe — *30 Min. Col.* — *1978*

It is an old saying — but sometimes tragically true. "Children are not *careless* — they are *carefree*." It is truly a beautiful thing to see youngsters at play. Whether they are frolicking up and down a shady side street, sitting on the fender of a tractor, climbing a tree or hopping along the ties of a railway line, obviously, their thoughts never turn to danger. They are too busy enjoying life. But disaster can, and sometimes does, strike. It usually happens when least expected and much too quickly to avoid serious injury. The PLAY SAFE story is a 30-minute film produced by the War Amps. The film features youngsters from many parts of Canada, gathered together in interesting locations, speaking in straight-forward language about their disabilities.

Snow How — *27 Min. Col.* — *1974*

A dramatic film about three adventuresome snowmobilers who run into trouble on a mountain excursion when one of their team injures his leg. It shows how the precautions and emergency actions of the snowmobilers leads to the rescue of their friend.

That They Might Live — *26 Min. Col.* — *1960*

A detailed demonstration and description of the use of artificial respiration. An older film but useful to groups requiring information on mouth to mouth resuscitation.

The Hydrogen Sulphide Hazard — *M.D.A. 11-1/2 Min. Col.* — *1977*

This Manitoba Department of Agriculture production emphasizes the extreme hazard to both humans and animals of the hydrogen sulfide gas given off from liquid manure pits. A hog producer and a dairyman describe incidents where they lost animals to the gas. They explain why it happened and how they have tried to prevent recurrence of the incident. The film points out the importance of proper

pumpout procedure and precautions taken in building construction in preventing serious accidents.

The Sixth Sense *15 Min. Col.* *1979*

This excellent livestock safety film is the first of its kind in North America. It takes its title from the sixth sense or extra special sense of awareness you need when working around farm animals. Ideally suited to increase farmers' awareness of safety practices that should be used when handling farm animals, this film is also equally suited to elementary school children and adults.

Why Did Tommy Die? *10 Min. Col.* *1980*

"Why Did Tommy Die?" is a powerful new film dramatically showing the disastrous effects of carelessness with farm machinery. The Ontario Ministry of Food and Agriculture production has broad application for any farm situation involving children.

You Bet Your Life *25-1/2 Min. Col.* *1980*

You can save your life by knowing a few winter survival techniques. This film dramatically demonstrates the equipment to carry in a car for winter driving, how to construct winter shelters, light a fire, etc., in emergency situations. Produced by Cotter Wildlife Productions.

COMMUNITY DEVELOPMENT AND PEOPLE

Almost A City — *20 Min. BW* — *1969*

Success of the FRED regional development plan for the Interlake depends on how well the town of Selkirk fares in attracting new industries to absorb labor — skilled and semi-skilled. "Almost a City" is a fast-paced film on a dynamic community, seriously taking its role in economic development of the Interlake.

Eye Of The Supervisor — *15 Min. Col.* — *1971*

On the qualities of a good supervisor, including constant standards, approval techniques, methods of employee recognition and being a good listener.

Gimli — *18 Min. BW* — *1968*

Gimli is one of the major growth centers of the Interlake — a resort town on Lake Winnipeg, industrial neophyte, service center to a large armed forces base, fishing community. Rural development at Gimli focuses on realizing the full potential of the community's many assets.

Lake And Land — *18 Min. BW* — *1968*

Variety and contrast describe the Interlake. Few communities fit the description as well as the Arborg-Riverton-Hecla combination. Farming and fishing have been and still are the mainstay of the community.

St. Laurent

St. Laurent is a Metis and French settlement near the southeast short of Lake Manitoba. Most of the men fish, trap or take casual jobs in Winnipeg. Some are commercial ranchers, dairymen or business men. About 30 women work in the small clothing factory. Business is brisk in the summer when 300 families take residence in cottages flanking the two beaches. St. Laurent citizens are taking a hard look at themselves and their environment. A social animation project — the first for any prairie community — has helped them to organize. No other Interlake community has responded as aggressively to academic upgrading programs.

St. Laurent Speaks — *28 Min. Col.* — *1973*

The film looks at the problems of one rural Manitoba community and how the individuals and community groups, aided by various government programs, solved some of the problems. A good demonstration for areas with similar problems.

The Behavious Game — *8 Min. Col.* — *1968*

A British film on everyday patterns and how quickly they spread to other people. An entertaining film that stresses good staff and customer relations.

The Builders — *M.D.A. 24 Min. Col.* — *1976*

The Interlake Manpower Corps is at work in rural Manitoba developing individuals,

families and communities to overcome some of the social and economic problems of the Interlake region.

The Fisher Story *17 Min. BW* *1968*

One in seven persons living in the northern two-thirds of the Interlake is of Indian descent. Most Indian people live on the seven reserves in the area. The majority depend on casual labor, fishing, farming or welfare payments for their incomes. Some are excellent fishermen and farmers, teachers and civil servants and earn a relatively good income. All have frequent contact with the non-Indian community. "The Fisher Story" focuses on the inter-dependence of the Indian reserves of Peguis and Fisher River with the non-Indian communities of Fisher Branch and Hodgson. It depicts the physical and social resources of the four communities as background to the major theme.

The Partner *15 Min. Col.* *mid-1960's*

A history of U.S. county agents and how these men help bring agricultural information to farmers, to help them compete in a changing economy. There is a short discussion of Canadian agricultural representatives.

The Supervisor — Motivating Through Insight *12 Min. Col.* *1971*

The factors involved in motivating others. The film uses an interesting parallel with a chess game and the people as pawns. Good for training in supervision.

The West Side *15 Min. BW* *1968*

Provincial Trunk Highway No. 6 skirts the eastern shoreline of Lake Manitoba, destined to become a much travelled throughway to northern resources. Attached physically and economically to Highway No. 6 are the communities of Lundar, Eriksdale, Ashern, Moosehorn and Gypsumville. For those who know what they are doing, cattle, waterfowl, upland game and the highway traveller can be a source of good income.

Together To Live *24 Min. Col.* *1975*

Exceptional photography portrays human traits from birth to maturity. The central theme is the inter-dependence of people and how this works to everyone's advantage. Filmed in Alberta.

We Did It Ourselves *15 Min. BW* *1975*

The mayor and councillors of Matheson Island, Manitoba tell the story behind their new homes. With their fishing livelihood interrupted by mercury pollution in 1970, the islanders got to work on solving their housing problem. They cooperatively bought a sawmill, sawed their own lumber and built new houses. Organization, hard work and cooperation made the project a success.

MISCELLANEOUS

Boomsville *10 Min. Col.* *1979*

A film produced by the National Film Board. Totally done in animation, this fast paced film covers the settlement of Canada in a humorous manner, taking a fair bit of literary licence. It starts out with the first settlers coming over in boats, landing, trading for their land with the Indians, and then battle with same. This is followed by the rebuilding of the town, and then quickly covers history over two centuries including the first train and the settlement that follows. It covers a war in less than 30 seconds and continues to show the impact of progress spreading across the land. Other modes of transport shown are motor cars, boats, airplanes right through to rockets. Also a look at space travel with its settlement problems as well.

Butchering Beef *M.D.A. 22 Min. Col.* *1976*

A retail butcher shows the step-by-step technique of cutting up a side of beef. Using both front and hind quarters, the butcher shows where cut is made on the carcass for each retail cut of beef, including steaks, roasts, and parts which can be used for stewing or ground beef.

Crown Land Development *M.D.A. 10 Min. Col.* *1976*

This is the story of Manitoba's agricultural crown land and the step-by-step procedure in its development for agricultural purposes. Produced by the Communications Branch in co-operation with the Crown Lands Section.

Cry Of The Marsh *12 Min. Col.* *1970*

A conservation film useful in generating discussion on the conservation of wildlife and proper land use. It was filmed by an amateur, a student teacher at the Moorehead Teacher's College in Minnesota. Professional editing has made it a most effective production. There is no narration, just music and sound effects but the message couldn't be more explicit.

Disciplined Water *18 Min. Col.* *1975*

A look at the methods Canadians use to discipline water and put it to it's best use. Included is a flood control in Manitoba, land drainage in Ontario and irrigation in Alberta and B.C.

Go Where The Action Is *15 Min. Col.* *1978*

A production from Alberta Transportation, outlines the value of good transportation systems in that province and the department's methods of managing the systems.

Inventions For Agriculture *S.D.A. 14 Min. Col.* *1973*

What is a patent and how do you get one? Here are the questions and answers for farmers with inventions they'd like to patent. Western Canadian farmers who

have patented inventions discuss some of the problems they had from the initial idea through to the final marketing stage.

Manitoba — Festival Country *27 Min. Col.* *1971*

An award winning film depicting in fast action the ethnic and cultural backgrounds of the people of Manitoba. From the early trappers to the arts to the rough and tumble of rodeo action, Manitobans keep alive their traditions and way of life.

Manitoba — Festival Country *13 Min. Col.* *1971*

A condensed version of the above film.

Manitoba's Trout Farmers *28 Min. Col.* *1976*

Filmed entirely in Manitoba, the film deals with selecting the right pond for trout, with harvesting, smoking and cooking. Produced by the Manitoba Department of Renewable Resources.

Moving To Metric *26 Min. Col.*

Moving to metric points out the advantages of changing to the metric system by comparing its simplicity to the more complicated imperial system. Using examples in school math, consumer goods, the automotive and construction industries and recreation, the film illustrates how our move to metric will affect our everyday lives. Specific examples show how the metric system will standardize the often confusing imperial system.

Our Farm Business *M.D.A. 30 Min. Col.* *1963*

The values of enrolling and graduating from the Diploma course in agriculture at the University of Manitoba are pointed out. Suitable for career guidance sessions.

Our Rivers — Masters Or Servants *28 Min. Col.* *1961*

A historic documentary on the background of the Red River Floodway, highlighting the many factors considered in determining that river diversion was the best answer to an extensive flooding problem.

Red River Floodway *M.D.A. 23 Min. Col.* *1969*

Shows the step-by-step construction of the 65 million dollar floodway diverting the Red River around the city of Winnipeg.

Rise And Fall Of The Great Lakes *17 Min. Col.*

Tracing the geological history of the Great Lakes, the film points out that in the last few years man has become the major factor controlling their levels and polluting the water. A fun film that is also educational, it draws attention to the importance of safeguarding our natural environment.

Stories In The Snow *27 Min. Col.* *1974*

The topic of snowmobiles and their impact upon ecology is described in this film narrated by Lowell Thomas, renowned broadcaster. The proper use of snowmobiles and their relation to snow cover and summer vegetation is included. Suitable to all ages.

This Is Manitoba *28 Min. Col.* *1972*

A fast moving film emphasizing the quality of life and the Manitoba mosaic comprised of industry, culture, scenery and the diversity of people. Scenes shift from the seaport of Churchill and northern mining to coverage of industry, farming, manufacturing, cultural and sports activities.

Too Good To Be True *17 Min. Col.*

Produced by the Better Business Bureau, it highlights loss leaders and other tricks of direct selling. An older film, but still applicable in guarding against over-zealous salesmen.

Unlimited Horizons *30 Min. Col.* *1965*

Introduced by Dr. E. W. Stringham, University of Manitoba, this film shows the vast impact that agriculture has on our economy and the opportunities in it for the educated person. Suitable for career guidance sessions.

Where There's Water *22 Min. Col.* *1972*

A Ducks Unlimited production illustrating the various water and waterfowl conservation projects across Canada. A general conservation film with participation from several prairie farmers.

SLIDE SETS

Slides are normally shipped in Kodak Carousel trays with Standard audio cassette tapes.

ANIMAL INDUSTRY

Beef

A Change For The Better — *80 slides audio tape, script* — *1978*

A comprehensive review of basic, sound beef management practices — record keeping, culling and selecting, feeding, breeding, calving, weaning, disease control, implanting — and finally, of course, marketing — necessary year-round to get the maximum performance and profits from your beef herd.

Beef Evaluation — A Cross Section View — *60 slides audio tape*

This series of slides depict differences in beef cattle conformation from a very short, thick, apparently deep bodied animal to a more upstanding longer bodied modern beef steer. This is a good opportunity to reassess the old values when it comes to judging the animal as factors of desirability are changing.

Beef Cattle Handling Facilities — *77 slides audio tape, script* — *1975*

Well planned corrals, pens and feeding equipment make handling easier, save labor and keep damage to livestock at a minimum. The basics of good equipment for handling and feeding beef cattle are covered.

Cattle Breeds In Canada — *46 slides script* — *1976*

The University of Saskatchewan assembled this collection of 46 cattle breeds including traditional, exotic and dairy breeds. Described are the characteristics that make the breed unique and identifiable in comparison with other breeds. Slides demonstrate physical features and color patterns.

How To Implant Properly With Ralgro — *18 slides audio tape, script* — *1978*

This slide set clearly demonstrates how easy it is to use implants. It discusses not only the "how to's" but also shows the common mistakes to avoid. Although a promotional set prepared by Ralgro, it is not overly commercial.

Identifying The Cutability Of Live Beef Cattle — *45 slides audio tape, script* — *1973*

A presentation on the visual assessment of live animals to the final cutting up of the carcass. Different types of beef animals are followed through the various stages showing muscle, fat and bone ratio in the different body types.

Judging Finished Beef — *66 slides audio tape, script*

Beef producers can put more money in their pockets by marketing their cattle at the right stage of finish. This slide set points out the visual and physical points a producer should examine when judging finish on beef cattle.

Needling Tips For Cattle — *26 slides audio tape, script 1975*

A veterinarian describes the common types of injections for cattle — subcutaneous and intramuscular plus where and how these are injected. There is also information on needles, the various parts, sizes and a few reminders on needling techniques and handling antibiotics.

Pinkeye Treatment For Cattle — *21 slides audio tape, script 1975*

The various causes and treatments of pinkeye are included in this presentation with a veterinarian discussing the pros and cons of powders, sprays and ointments. He describes how to administer penicillin with a steroid added.

War On Warbles — *28 slides audio tape, script 1974*

One of the worst enemies of the cattle industry is the warble grub, causing losses to the producer, meat packer and tanner. New systemic insecticides are available and these are explained as to why, when and how to use. Also outlined is the dollar value gained by the producer when these materials are used.

Swine

CHIP — Commercial Hog Improvement Program — *31 slides audio tape, revised 1982*

Explains the purpose of the program, equipment and services offered, as well as a description of the selection index used to select replacement gilts to commercial herds.

Diseases Of The Sow — *67 slides audio tape, 1982*

Sow diseases can play havoc with the efficiency of a hog operation. Diseases of the Sow takes a look at several diseases that can also cause harm to the offspring such as SMEDI, Myoclonia Gongenita, The MMA Complex, Metritis, Mastitis, Agalactia, MMA and Leptospirosis.

Feeding And Managing Pregnant Gilts And Sows — *75 slides audio tape, 1974*

To show and compare the pasture, drylot, and confinement systems for the modern management of pregnant gilts and sows. The comparison includes feeding, housing, parasite control, and sanitation conditions for the care of sows during all stages

of pregnancy. Both novice and experienced pork producers interested in obtaining large, strong and healthy litters, will be interested in this slide set.

Growing And Finishing Hogs — *75 slides audio tape, 1981*

A complete look at the challenge of growing and finishing hogs. Covers the advantages of early weaning, diet, preconditioning, raising crossbred pigs, and swine nutrition. Diseases, parasites, stress, and record keeping are also dealt with in this production.

Herd Health — *57 slides audio tape, 1982*

Many hog breeders are turning from the conventional methods of raising hogs to greater use of permanent confinement facilities. Herd Health takes a look at some of the aspects of permanent confinement, such as feeding, water, diseases and vaccinations. Also covered are farrowing, weaning, sources of swine diseases, and other problems that producers should be aware of for proper herd health management.

Moving Hogs From The Farm — *79 slides audio tape, script 1973*

Hundreds of thousands of dollars are lost each year in moving hogs from the farm to processing plants through improper handling. Bruising and even death can result from poor handling practises. This set offers valuable tips to save the farmer's time, temper and hog profits. Produced by the Ontario Department of Agriculture.

On Farm Swine Artificial Insemination — *51 slides audio tape, 1982*

A complete look at artificially inseminating hogs. It covers all the stages from collecting the semen from the boar, the extending and storage of the semen and finally proper methods of inseminating the sow.

Overview Of Manitoba Swine Industry — *72 slides audio tape, 1982*

Dr. J. G. Gilson of University of Manitoba presents an overview of the hog industry. He looks at all phases from the producer to the secondary markets where pork is readied for the export market.

Record Keeping For Swine — *57 slides audio tape, 1982*

Many facets of record keeping are touched upon in this slide set, including identifying each animal via such methods as ear tags, tatoos, notching and colour marking. This is very important to keep all the animals sorted for your temporary and permanent records, which will help you to study average litter size, length of weight gain, conception rate, weaning rate, and all other facets of pork production that help to make your business as efficient as possible through exact record keeping.

ROP Swine Testing Program — *50 slides audio tapes, 1978*

Explains the procedures involved in both home testing and station testing of hogs under the program. Information is included on testing procedures, reports and data supplied to the producer under both parts of the program. There is also an explanation of the ROP organization.

The Management Of Farrowing — *75 slides audio tape, script 1974*

Weakness, chilling, crushing, starvation and scours account for most of the losses during the first few days after birth. This set provides the housing, feeding, disease prevention and sanitation practises necessary to bring piglets through the nursing stage. The best procedures for preparing the sow and farrowing house for farrowing to weaning piglets are explained. Prevention of navel bleeding, stopping sows from harming their young, methods of providing heat, removal of teeth and tails and castration are illustrated.

Dairy

Good Milking Management — *58 slides audio tape, script revised 1978*

No matter how large or small your dairy operation is, the key to success is good milking management. The first step is understanding how cows produce milk. This set explains the whole biological process, and also proper milking procedures, how to keep equipment in tip top condition, and the importance of good sanitation.

General

Vet Clinics — *49 slides audio tape, script revised 1978*

The Manitoba Veterinary Service Clinics scattered throughout the province are an important part of improved animal health in Manitoba. To the Vet, it means good operating facilities, to the farmer it means faster, more economical service. He can bring his animal to the clinic rather than waiting for the Vet to make a farm call. Using both a veterinarian's and a farmer's comments, this set points out the various facilities the clinics offer.

Feed Testing — *39 slides audio tape, script 1974*

Proper grain and forage sampling techniques on the farm are illustrated. A feed sample is followed through the Provincial Feed Analysis Lab to show some of the testing equipment used. The economic facts and reasons are given on why all livestock farmers would benefit by having their feed tested.

SOILS AND CROPS

Soils

Soil Testing — *28 slides audio tape, script* — *1975*

Starting with the correct procedures to get soil samples, this set follows a soil sample through the provincial soil testing lab, explaining what tests are made (nitrogen, phosphorus, sulfur, etc.).

Micronutrients in Manitoba — *31 slides audio tape script*

Micronutrients are a small but vital part of the nutrient needs of all plants. This slide set concentrates on 3 of the 8 micronutrients which are sometimes missing in Manitoba soils — copper, zinc and manganese.

Zero Tillage in Western Manitoba — *90 slides audio tape,* — *1977*

Prepared for Soils and Crops Branch. This set was developed as a report on the zero tillage project carried out in the South West region in 1977. It provides basic information on zero tillage management including trash management, fertility and weed control. It also explains seeding procedure and describes the type of equipment required. The slide set shows the modification of a standard press drill for zero-till seeding as well as the various "no-till" drills which are available. Yield results are provided for each field in the project with comparisons to results on adjacent conventional tilled fields, and with weed count and response to fertility level data where these were available.

Pasture

Establishing Pasture — *51 slides audio tape, script* — *1975*

To establish a successful pasture, whether by breaking up native land or seeding established land, several steps are critical — seeding depth, timing of seeding, seed mixture, nurse or companion crops and equipment to use. Each step is fully discussed.

Grassland Farming — *44 slides audio tape, script* — *1975*

This presentation answers such questions as when cattle should start grazing, how long they should graze, which grazing system should be used and what average gains can be expected.

Pasture Management — *60 slides audio tape, script* — *1975*

A look at the management aspects of pasture including fertilizer applications (when and how much), successful spraying for weeds and insects, minimizing winter kill and first cutting (when and how high).

Grains

Growing Corn — *32 slides audio tape,* — *1975*

Corn fits in well with Manitoba's farming operations as an economical source of nutritious livestock feed. Growing factors such as strains to use, planting dates, herbicide usage, fertilizer recommendations and equipment adjustments are discussed.

Rapeseed Cultural Practices — *68 slides audio tape,* — *1980*

Seedbed preparation, seeding depth, rates and date of seeding, seed quality, crop rotation and soil management and conservation are reviewed to demonstrate the fairly intensive management program a successful rapeseed producer needs to follow.

Rapeseed — Diseases — *74 slides audio tape,* — *1980*

Rapeseed is susceptible to many diseases, some of which can cause serious yield losses. Emphasis is on the important role of cultural practices as the basis of a control program.

Rapeseed — Harvesting — *62 slides audio tape,* — *1980*

Careful attention to equipment and your swathing and combining operations can mean a more successful harvest. This set highlights the areas to concentrate on.

Rapeseed — Insects — *50 slides audio tape,* — *1980*

This set covers the appearance, lifecycle, economic impact and control methods for the most important species of insects that infest rapeseed in Manitoba.

Weed Control

Competition Of Weeds — *80 slides, audio tape*

This set outlines the basic principles of weed competition and goes into the details of competition research done in western Canada.

Identifying Growth Stages Of Broadleaf Plants *46 slides* *audio tape*

For optimum use of postemergence applied herbicides a thorough understanding of weed and crop growth stages is required. This set deals with the stages of broadleaf plant growth used to determine the correct time for herbicide application.

Identifying Growth Stages Of Grass Plants *49 slides* *audio tape*

For optimum use of postemergence applied herbicides, a thorough understanding of weed and crop growth stages is required. This set deals with the stages of grass growth used to determine the correct time for herbicide application.

Identifying Plant Growth Stages *74 slides* *audio tape*

Correct timing for application of postemergence applied herbicides requires a thorough understanding of plant growth stages to obtain optimum weed control and crop safety. This set covers the basics of identifying growth stages of both grass and broadleaf plants.

Milkweed Control *26 slides* *audio tape, script* *1978*

Milkweed is a persistent perennial that is a problem right across Manitoba. This set goes over how to identify the weed and discusses in detail control measures.

Perennial Sow Thistle And Canada Thistle Control *36 slides* *audio tape, script* *1978*

Thistles are a very difficult weed to control, but success is possible. Once you are aware of the thistle's growth characteristics an on-going control program combining tillage and herbicides in the cropping season plus after harvest will give you effective control.

Poisonous Weeds *72 slides* *audio tape*

Some of the different plants that grow in Manitoba can cause poisoning or damage to both livestock and humans. This set focuses in on poisonous plants and plants that cause allergic reaction, discusses their characteristics and control.

Role Of The Weed Supervisor *60 slides* *audio tape*

This set looks at the vital role of weed supervisor as a convenient and knowledgeable resource for farmers in the complex world of weed control.

The European Buckthorn Menace *24 slides* *audio tape, script* *1978*

European buckthorn, once an attractive ornamental plant, is now classed as a noxious weed because it hosts an oat leaf rust known as crown rust. This set describes how the rust spores cause infestation and why they are difficult to control. Buckthorn identification and control methods are discussed as well as the potential crop losses due to infestation.

Weed Control — More Than Just Herbicides *76 slides* *audio tape*

The key to effective weed control is the selection of the appropriate control measure, that includes preventive steps, physical methods, crop management and biological control — all discussed in this set.

Weed Identification *80 slides* *audio tape*

A sound weed control program requires a thorough knowledge of the characteristics of various weed species. This set takes you through the various ways to identify broadleaf and grass plants.

Weeds And Their Growth *71 slides* *audio tape*

Weeds! What are they? Where do they grow? This set answers these questions plus explaining in detail how weeds grow. An understanding of these areas is important in designing and timing a weed control program.

Wild Oats — Characteristics *52 slides* *audio tape, script* *1977*

By describing the characteristics of both the wild oat plant and seed, and how these contribute to the plant's survival, this set explains why the wild oat is one of the main weed problems in Manitoba.

Wild Oats — Cultural Control *34 slides* *audio tape, script* *1977*

Various common cultural control practices are described as to their effectiveness. Practises include delayed seeding, summerfallow, burning and fall tillage. It suggests that the only successful control program is an integrated program of cultural practices and effective herbicides.

Zero Tillage Weed Control *71 slides* *audio tape*

Weed control is essential to the success of zero tillage. This set covers cultural and chemical control methods and the three main weed control operations needed in zero tillage: weed control in the fall, at seeding time and post-emergent in the crop.

Chemicals

AVADEX BW Monsanto *43 slides* *audio tape,* *1980*

This set discusses the timing of your applications plus rates, incorporation and application procedures.

CARBYNE Gulf Company of Canada *30 slides* *audio tape,* *1980*

This set reviews application methods, timing and the importance of proper spraying techniques.

HOE-GRASS Canadian Hoechst Ltd. *27 slides audio tape, 1980*

This set covers application rates, methods and the importance of the timing of application.

TOK/RM Rohm & Haas Co. *21 slides audio tape, 1980*

TOK/RM is used for post-emergent weed control in rapeseed. This set discusses application rates, timing and safety considerations.

TREFLAN Elanco Co. *39 slides audio tape, 1980*

Treflan is a pre-plant, soil incorporated herbicide for the control of a broad spectrum of weeds in oilseed crops. This set looks at how this chemical works, application methods and rates.

Miscellaneous

Dutch Elm Disease *15 slides audio tape, script 1975*

This slide set describes how Dutch Elm disease is spread, the process by which the fungus destroys trees, which trees are more susceptible and how to recognize the disease. Clean-up and sanitation procedures are included along with where to get information and help.

Potato Handlers *77 slides audio tape*

Potato damage during harvest and storage is a costly problem for the farmer. This set points out some of the things that can be done to cut back on damage to the crop during unloading and storage.

GRAIN INDUSTRY PRODUCTIONS

Developed by the Canadian International Grains Institute and 20 government and non-government organizations involved in the grain industry.

The Canadian Wheat Board Pooling Procedures — *50 slides audio tape, script* — *1976*

The presentation describes generally how the Wheat Board's price pooling system works, explaining the principles involved, how prices are shared, costs allocated and how the initial payment fits into the pooling system.

Co-ordinating Canada's Grain Transportation System — *56 slides audio tape, script* — *1976*

Dealing with the Canadian Wheat Board's role in grain transportation, this set describes the co-ordination role played by the Board to get grain moved off the farm into export and domestic terminals on time to meet sales commitments.

Costs Of Moving Grain From The Prairies To Overseas Markets — *70 slides audio tape, script* — *1976*

The costs of moving grain from the prairies to Antwerp/Rotterdam and Japan are discussed. These include primary elevator charges, railway freight, terminal elevator charges, lake and ocean freight and marketing charges. East and west coast movements are described.

Effects Of Degrading Factors Upon Grain Utilization — *71 slides audio tape, script* — *1976*

Degrading factors such as soundness, maximum limits of foreign materials, and test weights are important in establishing appropriate grade levels. This presentation focuses on bread wheat, durum wheat, malting barley and rapeseed.

Fundamentals Of Canada's Grain Grading System — *74 slides audio tape, script* — *1976*

Our grain grading system divides and segregates bulk quantities of grain into units of uniform quality. The fundamentals of the grading system along with the role of Canadian Grain Commission, particularly the Inspection Division, are included.

Open Market Selling Options — *73 slides audio tape, script* — *1976*

The advantages and disadvantages of some of the grain marketing options open to producers such as the Canadian Wheat Board, average pricing, deferred pricing, deferred delivery, floor price contracts, target price contracts and others.

Pricing Western Canadian Grain — *80 slides audio tape, script* — *1976*

Four separate systems for pricing western Canadian grain and oilseeds are described including the Canadian Wheat Board, the two-price wheat policy, the open market system and the domestic feed grain pricing policy.

Rights And Responsibilities Of Producers — *80 slides audio tape, script* — *1976*

The producer has certain basic rights and responsibilities when delivering grains and oilseeds to primary elevators. The Canadian Grain Commission protects these rights through provisions of the Canada Grain Act and Regulations.

Terminal Elevator Operations — *80 slides audio tape, script* — *1976*

Examined is the operations of Canada's terminal elevators which receive, store, process and ship grain. Common problems associated with the elevators is also mentioned.

The Canadian Grain Commission — *79 slides audio tape, script* — *1976*

An examination of the organization and operations of the Canadian Grain Commission, discussing the divisions which regulate grain handling and establish and maintain quality standards for Canadian grain.

TECHNICAL SERVICES

Fertilizer Application Equipment — *64 slides audio tape, script* — *1974*

As fertilizer is one of the most important crop inputs, this set describes the variety of fertilizer applicators available, their uniformity of application and their versatility. Ammonia applicators are also discussed as to sizes available, application depths and how this type of system works.

Hay Cutting And Baling Systems — *80 slides audio tape, script* — *1974*

Recent developments of new cutting and baling equipment have left the farmer with a dilemma, "Which is the best system for my farming operation?". This set looks at the newest equipment available including round balers and methods of handling the traditional square bales. The pros and cons of the various systems are discussed.

Loose Hay Systems — *39 slides audio tape, script* — *1974*

High labor needs have been the traditional problem with loose hay systems. This set looks at the newest labour saving equipment available and discusses the merits of the various stackers and movers. It also suggests some efficient methods of feeding livestock if a loose hay system is used on the farm.

Metric Weed Control Workshop — *251 slides audio tape*

This set is designed to be the backbone of a metric workshop. It is in segments that can be reviewed step-by-step with breaks in-between for the workshop leader and participants to work on examples covered by set. There are also handout materials that accompany this set.

Plant Tissue Analysis — *48 slides audio tape script*

Plant tissue analysis is a useful method of monitoring a fertilizer program. It measures the nutrient makeup of plants to diagnose deficiencies which can be made up with the use of fertilizer in future years. This production examines the tissue analysis service offered by Manitoba.

Rural Water Services — *32 slides audio tape, script* — *1977*

A presentation on the many facets of Manitoba's rural water services. Objectives of the program are presented, procedures involved in receiving these services, and examples and illustrations point out the advantages of installing modern farm water systems under this program.

Silage Systems *66 slides audio tape, script* *1974*

Silage is an efficient feed and it's not that hard to make. However, the farmer should plan his system ahead of time to prevent unnecessary delays and expenses. The various harvesting equipment and silos available are discussed. Included are such things as factors to be considered when operating the harvester, proper design and construction of both horizontal and vertical silos, packing methods and suggestions on the most efficient methods of feeding silage to your herd.

The Amazing Metric *80 slides audio tape*

This is a total learning package that turns learning metric into an adventure. The set covers easy methods to calculate area, volume and capacity with amusing cartoons. The learning kit also includes an instructor's guide, a trainee's quiz book and 25 activity cards. These could be photocopied for your own teaching session.

The Same Difference *73 slides audio tape*

This entertaining set deals with the metric switchover in the agricultural chemical industry through the eyes of a perplexed farmer. It is a good ice-breaker for metric workshops or seminars.

FARM SAFETY

Chemical Safety — *30 slides audio tape, script* — *1976*

A general production on the safe use, handling and storage of modern farm chemicals. Hazards are outlined for the most lethal "danger-poison" materials, the "warning" range of chemicals, and the lower toxicity "caution" chemicals. Designed to encourage the safety habit and so prevent "a lifetime of regret".

Farm Machinery Safety — *240 slides script* — *1976*

A comprehensive farm safety presentation designed to stimulate good attitudes when operating farm machinery. Twelve sections include: safe machinery operation, human factors, recognizing common hazards, equipment service and maintenance, tractors and self-propelled machines, tillage and planting, chemical equipment, hay and forage equipment, grain harvest equipment, other harvesting equipment, materials handling equipment and farm maintenance equipment.

Farm Safety — *53 slides audio tape, script* — *1976*

This set covers the most common accident situations discovered in a state-wide survey done in New York. Situations cover machinery, buildings, electrical installations and farm supply storage.

Safe Tractor Care & Operation — *81 slides audio tape, script* — *1972*

A detailed step-by-step guide to tractor operation and maintenance. Covers protective equipment, potential hazards, hitches, PTO and hydraulics. This is definitely for a young person with little or no experience in this area.

Safe Use Of Pesticides — C.A.C.A. — *47 slides audio tape*

An adaptation of a set produced by C.A.C.A., it covers in detail the responsibility anyone who uses chemical must assume to assure their own safety by wearing proper clothing and using proper storage and disposal techniques.

GENERAL

Agriculture's Future — Your Challenge — *80 slides audio tape, script* — *1977*

A comprehensive summary of the challenges in professional agriculture. This presentation illustrates how a student can become involved in a challenging life-long career by taking degree or diploma courses at the Faculty of Agriculture, University of Manitoba.

Agriculture — Manitoba's First Industry — *76 slides audio tape (audible beep)*

Manitoba agriculture is a modern, thriving industry with 30,000 operational farms. Agriculture provides direct income to some 100,000 persons on Manitoba's farms and substantial income and employment in various related industries. This set demonstrates agriculture's diversity and the contribution it makes to our provincial economy.

Co-op Farming — *32 slides audio tape, script* — *1975*

With machinery and land costs increasing each year, many farmers are turning to the co-operative form of farming. Three co-op units are covered — co-op farms, machinery co-ops and agripools as to membership structure, profit sharing and work distribution.

Land: The Threatened Resource — *80 slides audio tape, script* — *1976*

This comprehensive study about the threats to Canada's prime agricultural land includes the factors leading to the present predicament and the concepts of the Canada Land Inventory for agricultural land classification. Experts from east and west point out the problems that exist across Canada. Solutions are not simple but several alternatives are proposed. An excellent teaching aid and discussion starter from the Agricultural Institute of Canada.

Making Manitoba Cheddar — *40 slides audio tape, script* — *1977*

Cheddar is Manitoba's number one cheese accounting for over half of our production. This set follows the cheese making process from pasteurizing, adding to rennet, coagulation, draining the curds, milling and pressing the curds into blocks. Sealing, curing and grading round out the process. Of interest to dairy producers and general audiences.

Ten Most Wanted Vegetables — *25 slides audio tape, script* — *1972*

Tony the tomato is the "Number One" vegetable serving years on counts of dressing up salads and sandwiches. Other members of Tony's gang to watch for are Lilli Lettuce, Roberto the Radish, Serrano Celery and Bonnie and Clyde Carrot. Using the Dragnet theme, ten vegetables are featured.

The Beef Trail — Parts1-4 audio tape, script — 1972

Part One — Beef Production — 28 slides

Follows the production cycle from cow/calf to feedlot to market, describing summer feeding of the cows, putting up feed, spring calving, weaning and the capital investment and feed rations in a feedlot. Some discussion of marketing and different beef breeds.

Part Two — Inspection and Grading — *36 slides*

Describes the factors used in beef grading and determining beef quality. The various grades from A through E are shown by fat covering and muscling. After grading, the carcass is prepared into wholesale cuts and goes on to the retail market.

Part Three — Cuts of Beef — *48 slides*

Presents the figures of how much take home beef from a 1,000 pound carcass, and the pricing structure from the retail viewpoint. Described in detail are both wholesale and retail cuts of a beef carcass with suggestions as to how to cook.

Part Four — Cooking Beef — *47 slides*

Describes the composition of beef (muscle, fibre, collagen, elastic) and why, according to animal movement, some cuts are more tender than others. There is a thorough description of cooking from determining carcass location of the cut to deciding moist or dry cooking methods. Cooking methods from roasting to stewing are outlined.

The Royal — Showplace Of Champions — *47 slides audio tape, script* — *1975*

A visitor's eye view of the Royal Agricultural Show held in Toronto each year. Included is a sampling of the livestock, poultry, dairy, grain and food displays that thousands of spectators enjoy each year.

What is an Agricultural Engineer — *slides audio tape script*

Of use at career seminars. This production looks at the typical duties required of people who have chosen agricultural engineering for a career.